



## ABSTRACT OF THE DISCLOSURE

A circuit for converting an analog signal to a discrete pulse-width-modulated (PWM) signal uses a delta-sigma amplifier and a discrete PWM stage to produce a discrete PWM output signal having lower in-band signal noise then a PDM system and a lower signal distortion then a continuous PWM system. A multiple bit quantization stage drives the discrete PWM stage.

10

5

15

20

25

30